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And remember - Willard Batteries with Threaded Rubber Insulation last longer and need less repairs than any other you can buy-because the insulation lasts as long as the plates, instead of wearing out and making reinsulation necessary before you have had the full service you should get.

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We test, repair and recharge storage batteries and always carry a full supply of battery parts, new batteries and rental batteries for



Transcontinental Record In Stolen Car Instructive

If you have ideas of horrowing some stranger's limousine and driving it three

still insists that he is a good judge

MARMON SERVICE MEN TO HOLD CONVENTION

More than 200 service representatives the same the same the same throughout miles, don't set enthused over the accomplishment and common on the performance of the car. Also more than 200 service representatives the complishment and common on the performance of the car. Also more than 200 service representatives the complishment and common on the performance of the car. Also more than 200 service representatives the complete the car. Also more than 200 service representatives the complete the car. Also more than 200 service representatives the complete the car. Also more than 200 service representatives the complete the car. Also more than 200 service representatives the complete the car. Also more than 200 service representatives the complete the car. Also more than 200 service representatives the car. The service service such than 200 service representatives the car. Also more than 200 service service the country. The section of the car. Also more than 200 service representatives the country of Marmon distributors from all over the country of more than 200 service representatives the country of Marmon distributors from all over the country of Marmon distributors from all over the country of more than 200 service representative the country of more than 200 service representative than 200 service representative than 200 service representatives the country of Marmon distributors from all over the coun

arother member of his organization car records. Meanwhile the Newark owner has been described the Liberty stolen car records. Meanwhile the Newark owner has been described the co-operation of Mr. Ray Srundage of the Wallace Motor company. The rest was casy. Mr. Brundage of the Wallace Motor company. The rest was casy. Mr. Brundage sent out the warning to the Detreit factory who in turn relayed the less and description to all sections of the country by a system which the Liberty company has originated.

Louic tells the pelice now, that he align the country by a system which the Liberty company has originated.

Louic tells the pelice now, that he pelice now, that he pelice now, that he pelice now the same and the necessary of another man's carved other mental states. He also intimated that the next time he takes an endurance run, even in the hands of owners is being delivered to the contribution of the first of the Continental dates back to 14 years ago, the modern and correct service methods and appliances and tools, a special owner in the hands of owners is being and in the care of the modern and correct service methods and appliances and tools, a special owner of the modern and correct service methods and appliances and tools, a special owner is the properties. The Continental dates back to 14 years ago, when, at the very inception of the big motor enterprise, he began as auditor and factory accountant. The Continental at that time, it is said, had to invested capital only about \$10,000 and its annual output was less than 10 motors a year. Mr. Zimmerman occupies a security of an invested capital only about \$10,000 and its annual output was less than 10 motors a year. Mr. Zimmerman occupies are annual output was less than 10 motors a year. Mr. Zimmerman occupies when the promise of the end of the security end of the end of the security committee of the big corporation.

I for the Continental.

Mr. Zimmermal's connection with the continental in the care interprise. Hope and the continental in security is annual

Five Passenger Touring. Four Passenger Roadster.

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Hints for the Motorist By Albert L. Clough Editor Motor Service, Review of Reviews.

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WATCHING THE AMMETER.

The ammeter or the current-director—as the case may be—is placed upon the dashboard for a purpose. It is the allent guardian of the electric system and is worthy of more of the operators attention than it usually receives. While it gives no information as to the battery's state of charge, it tells whether it is being subjected to a drain or is being afforded a recuperating current. The habit should be formed of giving the ammeter a giance every few minutes while a car is in operation and anything abnormal in its reading should be the signal for an investigation. Every car has a certain edgine speed, above which current should constantly be passing to the battery and any failure of the ammeter to then show a "charging" indication, when the lights are not hurning, denotes that something is wrong. When all the lights are not hurning, denotes that something is wrong. When all the lights are not hurning, denotes that something is wrong. When all the lights are not hurning, denotes that something is wrong. When all the lights are not hurning, denotes that something is wrong. When all the lights are not hurning, denotes that something is wrong. When all the states are on, they are usually consuming current as fast as it is being produced by the generator and thus at speeds of 15 miles per hour and over, the ammeter may indicate little if any charging or discharge current. It is is being afforded a recuperating current. The habit should be formed of giving the ammeter a glance every few minutes while a car is in operation and anything abnormal in its reading should be the signal for an investigation. Every car has a certain engine speed above which current should constantly be passing to the battery and any failure of the ammeter to then show a "charging" indication, when the lights are not burning, denotes that something is wrong. When all the lights are on, they are usually consuming current as fast as it is being produced by the generator and thus at speeds of 15 miles per hour and over, the ammeter may indicate little if any charging or discharge current. It is quite likely to stand at zero or in a neutral position but if a distinct indication of "discharge" is given under these circumstances, it usually indicates trouble, for the normal condition of operation, consucive to well sustained battery, generally implies a charging current equal to the lighting current and the operator should be familiar with this amount, for any indication in excess of it denotes a leakage of current somewhere—possibly a partial short-circuit in the wiring or the failure to turn off the ignition switch.

BROKEN BEARINGS LET WHEEL Answer: Try the following procedure: Draw off the engine oil and remove the oil pan. Remove the caps from two of the three bearings, Place blocking or a jack nearly under the bearing that atill has 4ts cap in place and in such a position that you can obtain a leverage between the blocking and the crankenatt close to this bearing. Pry up on the crankshaft at this point and see if it moves in the bearing or if oil squeezes out from the upper side of the bearing, notleesbly. If so, there is loozeness. Then tighten the

per side of the bearing, noticeably, if so, there is locacness. Then tighten the cap on this bearing and try the same treatment upon the other two, keeping the caps off the ones which are not being tested and the cap on the one that is.

ZIMMERMAN JOINS

SUPREME MOTORS CO.

Albert H. Zimmerman, one of the heat-known motor executives in the country, who for 14 years has directed the destinies of the Continental Motor company, of Detroit, has severed his connection with that corporation and has associated himself with the new 12,000,000 Supreme Motors company, of Warren. O., in the capacity of vice-president, treasurer and general manager.

The announcement of Prandant A. W. Green, of Supreme Motors, of the acquisition of Mr. Zimmerman makes automobile history and is expected to create an unusual site in the motor world because of Mr. Zimmerman's long world because of Mr. Zimmerman's long present advanced position.

S. S. R. asks: How can I tell if the main hearings of my engine need taking up? I tried to shake the crankshaft in them, but they seem very tight, yet there is a heavy knock when pulling hard on hills.

RUNNING FOR PRESIDENT

COLUMBUS, O. Nev 1.—United States Senator Warren G. Harding last night advised the Republican state advisory committee that he would prefer being a candidate for re-ejection to the senate rather than a candidate for a nomination for the presidency. His views presented in a letter in answer to a question about his candidaty did not state, however, that he would not be a candidate for the presidency.

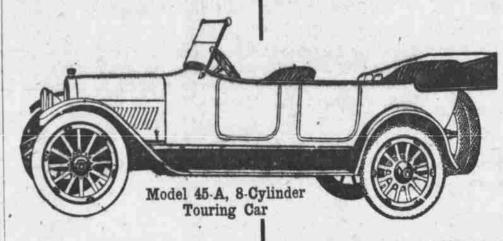
Following receipt of the letter the advisory committee adopted recolutions indorsing Senator Harding for renomination to the senatorship without opposition and decaring that the (Harding) should not deny the Republicans of Ohio, if at the proper time they may see fit to do so, the right to use his name for the presidency.

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"Practically everybody today is interested in motor cars, but nowhere is the interest greater than among the rising generation—a fact that speaks well for the future development of the motor car and its application to everyday life." says E. T. Strong, general sales mininger of the Buick Motor company, of Flint, Mich. "Small boys can make the various makes of cars as they made on the street, a surprising number of the motor car and its application to everyday life." says E. T. Strong, general sales mininger of the Buick Motor company, of Flint, Mich. "Small boys can make the various makes of cars as they made on the street, a surprising number of the motor car mechanics miles away from the ligation of all, a good insight into the things that "make the wheels go round."

This condition is simply a reflection of the interest in molor cars displayed by their cities. And as a result we find automobile schools for students of all ages in all sections of the country. Some of them are included in certain courses in high schools and colleges, and others are privately operated enterprises.

Just as there are good and poor motor cars as they would more than pay for itself in the lengthened life of a single motor car for their own use. The summer of the summer of the motor car for their own use. The summer of the summer of the motor car for their own use. The summer of the summer of the motor car for their own use. The summer of the summer of the motor car for their own use. The summer of the summer of the motor car for their own use. The summer of the summer of the motor car for their own use. The summer of the summer of the summer of the motor car for their own use. The summer of the summer of the summer of the motor car for their own use. The summer of t

built rather than assembled from purchased parts.

In the Buick factory we build our
own units—motors, radiators, sales and
so on. And before the car is finished
and ready to run, every operation has
been performed on every part and
checked to see that it is right before
the next step is taken. So with a
good automobile school, instead of
starting the course by teaching the
students how to drive, that is the last
thing covered, if indeed it is covered
at all.

thing covered, if indeed it is covered at all.

For the main thing is to get the principles thoroughly clear to the students, and to make them understand willy certain things happen, rather than to demonstrate that they do happen. Anybody can learn to drive in a few hours, because it is a comparatively simple thing to do. But to get an accurate knowledge of motor car design and construction that will enable the student to think and talk correctly about motor cars, and te know good or had design when he nees it, the work must be constructive and thorough, and it must start at the beginning.

The Buick Motor company is heartily in favor of these automobile scheels because they will most estrainly have the effect of making every class of

YOU

Depend On

Road Service

and

new set of tires will work a remarkable change both in the appearance and easy selling qualities of second-hand automobiles, according to one of Akron's leading dealers in used cars.

"A bundred dollars worth of new tires will enhance the selling value of the used car at least \$200." declared the dealer. "While quality of the car itself is obviously the main point of interest in connection with the purchase of a used automobile, unsatisfactory appearance will frequently overshadow the merits of the motor.

"For example, that car standing there came in here a week age looking as if it had been driven 20,000 or 30,000 miles," said the dealer, pointing to a clean-looking and popular standard make of car on which were four new tires. As a matter of fact it had only been run about \$,000 miles, but it had been badly misused. There were many scratches on the body, the fenders were banged up and the tires looked a fright. "It took the best part of a couple of days to fix the body, straighten out tha fenders, etc. After which I had a good-looking car, except for the worn tires that indicated a much longer milesge than the car had actually run. Tires, you know, tell milesge history much more senvincingly than speedometers because speedometers can be changed. "Cansequently, it became a quastion of new three, and I put on the Millers that are on there now, Experience has taught me that even more care should be taken in the lire equipment of second-hand cars than in the equipment of second-hand cars with Millers, believing that the geared-to-the-road troad and the uniform milesge advantage of those tires adda real value to any carsecond-hand cars with Millers, believing that the geared-to-the-road troad and the uniform milesge advantage of those tires adda real value to any carse of a used car, the die equipment becomes much more of a selling point than it is with a car direct from the factery. In fact, I equip most af my second-hand cars with Millers believing that the geared-to-the-road troad and the uniform milesge advan

WILL INSTALL NEW TEACHERS OF HEBREW

The Hebrew Educational alliance of Memphis will hold a special meeting Sunday at 8 p. m. in the vestry rooms of the Baren Hirsch synagegue for installing of a new teacher for the Hebrew class. Mr. H. Harris.

Mr. Harris comes highly recommended by rabblinical authority such as Dr. I. Glazer, formerly chief rabbi of Canada, now grand rabbi for the state of Washington. Rabbi Glazer introduces Mr. Harris as a master of the Hebrew language, a talmudical scholar and a modern pedagogic instructor by scientific methods. He speaks Hebrew, Yiddlah and English fluently.

T. P. A. HOLDS SMOKER.

The monthly meeting of the Mom-phis post of the Travelers' Protective association is in assien Saturday after-neon at their clubroams in the Hotel Chisoa. After the business meeting, an informal smoker will be enjoyed, in-cluding a buffet lunch and a supply of single ale, cider or some other non-intoxicating beyorage. "Next Time You Have a Blowout Call 816."



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4-Pass. Roadster, 16-valve moter
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